

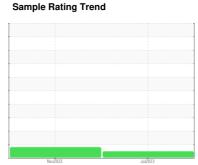
OIL ANALYSIS REPORT



{UNASSIGNED} **OR779** Component

Diesel Engine

PETRO CANADA DURON SHP 15W40 (23 LTR)





DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

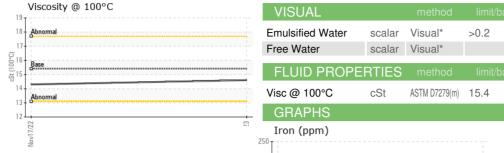
Fluid Condition

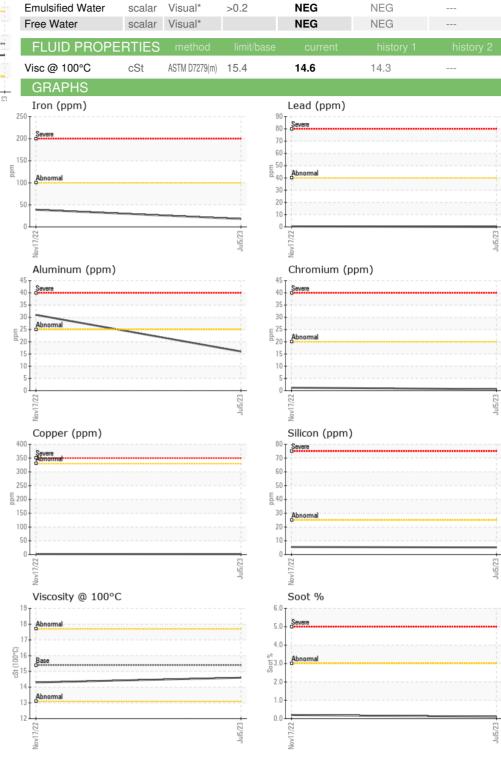
The condition of the oil is acceptable for the time in service.

N SHP 15W4U (2	5		Nov2022	Jul2023		
SAMPLE INFORI	MATION	method	limit/base	current	history 1	history 2
Sample Number		Client Info		GFL0087387	GFL0064898	
Sample Date		Client Info		05 Jul 2023	17 Nov 2022	
Machine Age	hrs	Client Info		16325	15849	
Oil Age	hrs	Client Info		476	500	
Oil Changed		Client Info		Changed	Changed	
Sample Status				NORMAL	ABNORMAL	
CONTAMINAT	ION	method	limit/base	current	history 1	history 2
Fuel		WC Method	>5	<1.0	<1.0	
Glycol		WC Method		NEG	NEG	
WEAR METAL	S	method	limit/base	current	history 1	history 2
Iron	ppm	ASTM D5185(m)	>100	18	39	
Chromium	ppm	ASTM D5185(m)	>20	<1	1	
Nickel	ppm	ASTM D5185(m)	>2	<1	<1	
Titanium	ppm	ASTM D5185(m)	>2	0	<1	
Silver	ppm	ASTM D5185(m)	>2	0	0	
Aluminum	ppm	ASTM D5185(m)	>25	16	△ 31	
Lead	ppm	ASTM D5185(m)	>40	0	<1	
Copper	ppm	ASTM D5185(m)	>330	1	2	
Tin	ppm	ASTM D5185(m)	>15	0	0	
Antimony	ppm	ASTM D5185(m)		0	0	
Vanadium	ppm	ASTM D5185(m)		0	0	
Beryllium	ppm	ASTM D5185(m)		0	0	
Cadmium	ppm	ASTM D5185(m)		0	0	
ADDITIVES		method	limit/base	current	history 1	history 2
Boron	ppm	ASTM D5185(m)	0	2	1	
Barium	ppm	ASTM D5185(m)	0	0	0	
Molybdenum	ppm	ASTM D5185(m)	60	59	59	
Manganese	ppm	ASTM D5185(m)	0	<1	<1	
Magnesium	ppm	ASTM D5185(m)	1010	967	980	
Calcium	ppm	ASTM D5185(m)	1070	1040	1132	
Phosphorus	ppm	ASTM D5185(m)	1150	1052	1094	
Zinc	ppm	ASTM D5185(m)	1270	1172	1222	
Sulfur	ppm	ASTM D5185(m)	2060	2523	2622	
Lithium	ppm	ASTM D5185(m)		<1	<1	
CONTAMINAN	TS	method	limit/base	current	history 1	history 2
Silicon	ppm	ASTM D5185(m)	>25	5	6	
Sodium	ppm	ASTM D5185(m)		17	2	
Potassium	ppm	ASTM D5185(m)	>20	2	<1	
INFRA-RED		method	limit/base	current	history 1	history 2
Soot %	%	ASTM D7844*	>3	0.1	0.2	
Nitration	Abs/cm	ASTM D7624*	>20	7.1	8.5	
Sulfation	Abs/.1mm	ASTM D7415*	>30	18.3	19.9	
FLUID DEGRA	NOITAC	method	limit/base	current	history 1	history 2
Oxidation	Abs/.1mm	ASTM D7414*	>25	14.3	15.4	



OIL ANALYSIS REPORT







CALA ISO 17025:2017 Accredited Laboratory

Laboratory Sample No. Lab Number Unique Number

Test Package : MOB 1

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 720 - Lafleche - Landfill : GFL0087387 : 02568698 : 5605744

Received Diagnosed Diagnostician

: 10 Jul 2023 : 10 Jul 2023 : Wes Davis

17125 Lafleche Road, Moose Creek, ON CA K0C 1W0 Contact: Charles Bergeron

To discuss this sample report, contact Customer Service at 1-800-268-2131. Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab. Validity of results and interpretation are based on the sample and information as supplied.

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